



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

SIXTH FLOOR,
PRUDENTIAL BUILDING,
195 NORTH TERRACE,
ADELAIDE

FACTORIES

SOUTH AUSTRALIA

1964-65

SCOPE This bulletin summarizes information relating to factory operations and shows either in total or by class of factory details of number of factories ; number of persons employed ; salaries and wages paid ; value of land, buildings, plant, and machinery ; value of materials used ; value of power and fuel used ; value of production ; value of output ; and capacity of engines used.

DEFINITIONS For the purpose of the collection from which these statistics are compiled a factory is defined as an establishment in which four or more persons are employed or where power driven machinery is used in any manufacturing, repairing, or assembling process.

The figures relating to employment include proprietors who work in their own businesses but exclude those persons engaged in selling or distribution.

Value of output is the value of the goods manufactured and includes bounty and subsidy payments and amounts received for repair work and work done on commission; it excludes excise duties and all delivery costs and charges.

Value of production is the value added to raw materials by the process of manufacture and is calculated by deducting from the value of output the value of materials used, power and fuel consumed, tools replaced, containers, and repairs to plant and buildings.

Value of land and buildings and value of plant and machinery include estimated amounts for rented premises and plant.

All values in this issue are expressed in decimal currency (\$2 = £1). In tables where figures have been rounded, discrepancies between totals and sums of components are due to rounding.

COMMENT The value of production in South Australian factories has more than doubled during the last ten years from \$242 million in 1955-56 to \$499 million in 1964-65. During this time salaries and wages paid to employees have increased from \$152 million to \$274 million while the value of plant and machinery installed has trebled from \$127 million to \$389 million; the number of persons employed (including working proprietors) has risen from 92,589 persons to 116,183.

The number of factories reporting details of operations in 1964-65 was 5,887, an increase of 1 per cent matching a similar increase in the previous year.

Average employment in factories during 1964-65 increased by 4.8 per cent to 116,183; increases in 1962-63 and 1963-64 were 6.2 and 5.3 per cent respectively. Salaries and wages paid per employee rose by \$233 to \$2,689 for males and by \$60 to \$1,372 for females, being increases of 9.5 per cent for males and 4.6 per cent for females; in 1963-64 there were rises of 3.4 per cent and 5.8 per cent respectively.

The value of production rose from \$427,356,000 in 1963-64 to \$498,588,000 in 1964-65, an increase of 16.7 per cent compared with increases of 2.3, 9.0 and 12.7 per cent in 1961-62, 1962-63 and 1963-64. The largest increases during 1964-65 occurred in factories classified to the motor body, the chemicals and paints, and the plant and machinery industries.

TABLE 1 - FACTORY OPERATIONS, SOUTH AUSTRALIA

Particulars	1960-61	1961-62	1962-63	1963-64	1964-65
Number of establishments	5,042	5,519	5,766	5,826	5,887
Employment (a) - Males	81,898	81,803	86,655	90,933	94,690
Females	18,057	17,291	18,610	19,880	21,493
	\$'000				
Value of -					
Salaries and wages paid -					
Males	177,245	178,771	197,821	215,127	245,565
Females	20,721	20,291	22,246	25,188	28,659
Materials used	400,277	390,670	466,238	558,884	620,682
Other costs of production (b)	62,854	65,097	68,694	75,547	87,560
Production	340,123	347,828	379,142	427,356	498,588
Output	803,255	803,595	914,074	1,061,786	1,206,830
Land and buildings	175,457	196,595	212,963	230,627	256,536
Plant and machinery	226,200	253,005	293,608	330,281	388,932

(a) Average employment over whole year, including working proprietors.

(b) Containers, tools replaced, repairs to plant and buildings, and power, fuel, etc., used.

TABLE 2 - NUMBER OF FACTORIES, EMPLOYMENT AND ENGINES IN USE, SOUTH AUSTRALIA, 1964-65

Industrial Class	Establishments	Employment (a)		Engines in Use (b)	
		Males	Females	Electric	Other
		Number		Horsepower	
Treatment of non-metal mine products	194	2,239	143	38,722	3,704
Bricks, pottery, glass, etc.	78	2,052	212	16,209	327
Chemicals, dyes, paints, etc.	104	2,744	500	25,589	13,467
Metals, machines, conveyances -					
Plant, equipment, and machinery	281	10,348	2,152	42,975	172
Electrical engineering, etc. (c)	191	3,251	2,266	7,910	-
Other engineering	242	4,927	351	20,002	396
Construction & repair of vehicles -					
Tram cars and railway rolling-stock	12	3,237	65	13,275	12
Motor vehicle repairs	1,373	6,768	675	10,750	551
Motor bodies	306	15,384	692	60,681	8
Other (inc. ships and boats)	130	3,630	510	19,197	-
Sheet metal working, etc.	129	2,901	659	10,521	3
Pipes, tubes, etc. (ferrous)	8	2,469	199	20,597	-
Total metals, machines, etc.	2,889	60,212	8,304	324,317	2,057
Textiles, etc. (not dress)	58	1,270	1,415	8,723	-
Skins and leather	36	895	140	6,294	-
Clothing (except knitted)	555	1,861	3,610	4,709	-
Food, drink, and tobacco	755	8,046	3,868	70,355	1,847
Sawmills, joinery, etc.	436	5,334	457	53,383	6,114
Furniture of wood, bedding, etc.	201	1,718	508	6,650	-
Paper, stationery, printing, etc.	194	3,864	1,314	29,056	1,300
Rubber	59	1,096	232	10,839	38
Heat, light, and power	31	1,907	25	n.a.	n.a.
Other	297	1,452	765	n.a.	n.a.
Total	5,887	94,690	21,493	605,300	31,258

(a) Average employment over whole year, including working proprietors.

(b) Excludes motors in reserve or idle, totalling 63,207 H.P., motors driven by electricity generated in own works, and motors used in central electric stations to drive generators.

(c) Includes radio, television, etc.

n.a. Not available.

TABLE 3 - FACTORY OPERATIONS, INDUSTRIAL CLASSES, SOUTH AUSTRALIA, 1964-65

Industrial Class	Salaries and Wages Paid	Costs of Production		Value of Production	Value of Output	Land and Buildings	Plant and Machinery
		Materials Used	Other (a)				
				\$'000			
Treatment of non-metal mine products	6,331	16,829	4,441	17,952	39,222	8,635	14,606
Bricks, pottery, glass, etc.	5,877	5,997	2,712	11,575	20,285	5,350	6,727
Chemicals, dyes, paints, etc.	9,044	44,464	9,475	33,116	87,056	9,794	34,549
Metals, machines, conveyances -							
Plant, equipment, and machinery	30,585	53,118	4,627	48,414	106,158	18,967	14,009
Electrical engineering, etc. (b)	11,423	18,773	1,306	20,086	40,165	8,127	3,696
Other engineering	13,029	15,139	851	18,668	34,658	8,718	9,003
Construction & repair of vehicles -							
Tramcars and railway rolling-stock	8,150	6,334	429	10,956	17,719	3,336	5,382
Motor vehicle repairs	13,681	16,402	886	22,413	39,701	18,333	3,911
Motor bodies	47,379	109,044	7,708	63,517	180,270	35,820	45,346
Other (inc. ships and boats)	10,632	13,485	1,064	15,895	30,444	4,832	4,011
Sheet metal working, etc.	8,364	17,778	1,055	15,094	33,928	6,207	3,648
Pipes, tubes, etc. (ferrous)	7,888	15,384	1,891	14,556	31,831	3,737	4,146
Total metals, machines, etc.	172,738	354,907	30,526	273,902	659,335	129,919	186,132
Textiles, etc. (not dress)	5,219	11,816	1,135	9,698	22,649	4,246	4,239
Skins and leather	2,498	11,425	741	3,564	15,730	1,390	1,099
Clothing (except knitted)	7,747	8,951	723	12,162	21,837	6,731	3,317
Food, drink, and tobacco	23,978	93,143	21,180	52,765	167,087	35,633	26,825
Sawmills, joinery, etc.	11,917	29,550	1,595	22,023	53,168	9,708	9,373
Furniture of wood, bedding, etc.	4,015	8,533	285	7,173	15,991	3,788	1,261
Paper, stationery, printing, etc.	12,102	19,260	2,233	23,561	45,055	13,832	20,037
Rubber	3,416	5,631	785	6,799	13,215	3,161	1,602
Heat, light, and power	5,296	3,449	11,038	15,560	30,047	19,758	76,847
Other	4,045	6,725	689	8,737	16,152	4,592	2,317
Total	274,225	620,682	87,560	498,588	1,206,830	256,536	388,932

(a) Containers, tools replaced, repairs to plant and buildings, and power, fuel, etc., used.

(b) Includes radio, television, etc.

TABLE 4 - EMPLOYMENT IN FACTORIES AT 30TH JUNE, SOUTH AUSTRALIA

Particulars	1960-61	1961-62	1962-63	1963-64	1964-65
Working proprietors -					
Males	3,138	3,417	3,426	3,367	3,376
Females	562	665	677	683	611
Wage and salary earners -					
Under 16 yrs - Males	878	953	893	677	528
Females	804	993	872	721	539
16 - 20 yrs - Males	7,214	7,898	8,816	9,675	10,143
Females	3,634	4,237	4,646	5,119	5,644
21 yrs and over - Males	67,536	72,124	75,237	79,176	82,621
Females	11,252	12,038	12,483	13,714	15,065
Total	95,018	102,325	107,050	113,132	118,527

TABLE 5 - PERSONS EMPLOYED IN FACTORIES, SOUTH AUSTRALIA (a)

Industrial Class	1960-61	1961-62	1962-63	1963-64	1964-65
Treatment of non-metal mine products	2,308	2,173	2,282	2,325	2,382
Bricks, pottery, glass, etc.	2,290	2,124	2,225	2,203	2,264
Chemicals, dyes, paints, etc.	2,976	2,942	2,944	3,215	3,244
Metals, machines, conveyances -					
Plant, equipment, and machinery	9,461	10,154	10,733	11,364	12,500
Electrical engineering, etc. (b)	5,015	4,183	4,700	5,184	5,517
Other engineering	3,911	4,721	4,783	5,045	5,278
Construction & repair of vehicles -					
Tram cars and railway rolling-stock	3,860	3,871	3,797	3,699	3,302
Motor vehicle repairs	5,761	6,141	6,742	7,158	7,443
Motor bodies	11,898	10,453	13,072	14,626	16,076
Other (inc. ships and boats)	3,988	4,003	4,117	4,265	4,140
Sheet metal working, etc.	3,562	2,835	3,080	3,322	3,560
Pipes, tubes, etc. (ferrous)	2,332	2,151	2,209	2,391	2,668
Total metals, machines, etc.	56,447	55,245	60,470	64,479	68,516
Textiles, etc. (not dress)	2,530	2,520	2,533	2,522	2,685
Skins and leather	1,147	1,133	1,164	1,203	1,035
Clothing (except knitted)	5,087	5,023	5,098	5,312	5,471
Food, drink, and tobacco	10,902	11,362	11,241	11,614	11,914
Sawmills, joinery, etc.	5,094	5,256	5,311	5,457	5,791
Furniture of wood, bedding, etc.	2,186	2,069	2,191	2,332	2,226
Paper, stationery, printing, etc.	4,612	4,698	4,868	4,986	5,178
Rubber	1,228	1,074	1,148	1,248	1,328
Heat, light, and power	1,784	1,890	1,963	1,933	1,932
Other	1,364	1,585	1,827	1,984	2,217
Total	99,955	99,094	105,265	110,813	116,183

(a) Average employment over whole year, including working proprietors.

(b) Includes radio, television, etc.

TABLE 6 - CLASSIFICATION OF FACTORIES BY NUMBER OF PERSONS EMPLOYED, SOUTH AUSTRALIA

Number of Employees	1960-61	1961-62	1962-63	1963-64	1964-65 (a)
	Number of Factories				
Under 5	2,543	3,010	3,165	3,143	3,206
From 5 to 10	1,194	1,174	1,228	1,259	1,217
From 11 to 20	587	589	621	636	653
From 21 to 50	419	434	429	446	459
From 51 to 100	159	169	171	184	186
Over 100	140	143	152	158	166
Total number of factories	5,042	5,519	5,766	5,826	5,887

(a) Subject to revision.

TABLE 7 - COSTS OF PRODUCTION IN FACTORIES, SOUTH AUSTRALIA

Particulars	1960-61	1961-62	1962-63	1963-64	1964-65
	\$'000				
Materials Used	400,277	390,670	466,238	558,884	620,682
Containers	18,270	19,988	20,447	21,806	24,790
Tools replaced and repairs to plant and buildings	14,217	14,464	16,175	18,969	23,474
Electricity	8,660	8,751	9,970	11,212	12,555
Gas	520	524	595	650	703
Lubricating oil and water	1,581	1,578	1,712	1,971	2,222
	Tons				
Coal (a) - Leigh Creek	958,709	1,264,002	1,382,095	1,556,986	1,857,634
Other	572,494	417,790	419,714	376,866	342,449
Coke	339,544	342,426	329,610	315,322	288,840
Wood	229,477	224,771	249,124	273,172	243,409
Fuel oils (inc. tar fuel) (a)	215,966	256,134	310,100	401,291	496,735

(a) Includes quantities classified as materials used.

TABLE 8 - VALUE OF FACTORY PRODUCTION, SOUTH AUSTRALIA

Industrial Class	1960-61	1961-62	1962-63	1963-64	1964-65
	\$'000				
Treatment of non-metal mine products	11,696	12,199	14,729	16,766	17,952
Bricks, pottery, glass, etc.	9,155	8,269	9,698	10,650	11,575
Chemicals, dyes, paints, etc.	17,984	17,965	20,694	26,420	33,116
Metals, machines, conveyances -					
Plant, equipment, and machinery	30,758	32,230	35,799	41,045	48,414
Electrical engineering, etc. (a)	14,903	12,305	16,369	17,456	20,086
Other engineering	11,861	14,061	15,325	16,461	18,668
Construction & repair of vehicles -					
Tram cars and railway rolling-stock	9,309	9,437	10,037	10,795	10,956
Motor vehicle repairs	13,638	15,176	17,534	19,725	22,413
Motor bodies	36,477	33,277	43,203	48,861	63,517
Other (inc. ships and boats)	13,752	13,419	13,953	14,654	15,895
Sheet metal working, etc.	9,883	9,236	10,569	12,968	15,094
Pipes, tubes, etc. (ferrous)	10,810	9,377	9,651	11,780	14,556
Total metals, machines, etc.	184,027	182,659	203,585	226,582	273,902
Textiles, etc. (not dress)	7,722	7,976	7,696	8,439	9,698
Skins and leather	2,839	3,044	3,441	3,595	3,564
Clothing (except knitted)	10,580	10,581	11,013	11,749	12,162
Food, drink, and tobacco	36,161	42,173	41,402	46,860	52,765
Sawmills, joinery, etc.	15,440	17,201	16,905	19,079	22,023
Furniture of wood, bedding, etc.	6,059	6,170	6,521	7,151	7,173
Paper, stationery, printing, etc.	17,265	17,733	19,311	21,709	23,561
Rubber	5,483	5,083	5,579	6,646	6,799
Heat, light, and power	11,626	12,003	12,758	14,507	15,560
Other	4,086	4,772	5,810	7,203	8,737
Total	340,123	347,828	379,142	427,356	498,588

(a) Includes radio, television, etc.

D.L.J. AITCHISON
DEPUTY COMMONWEALTH STATISTICIAN

Commonwealth Bureau of Census and Statistics,
ADELAIDE S.A.
 7th June 1966

